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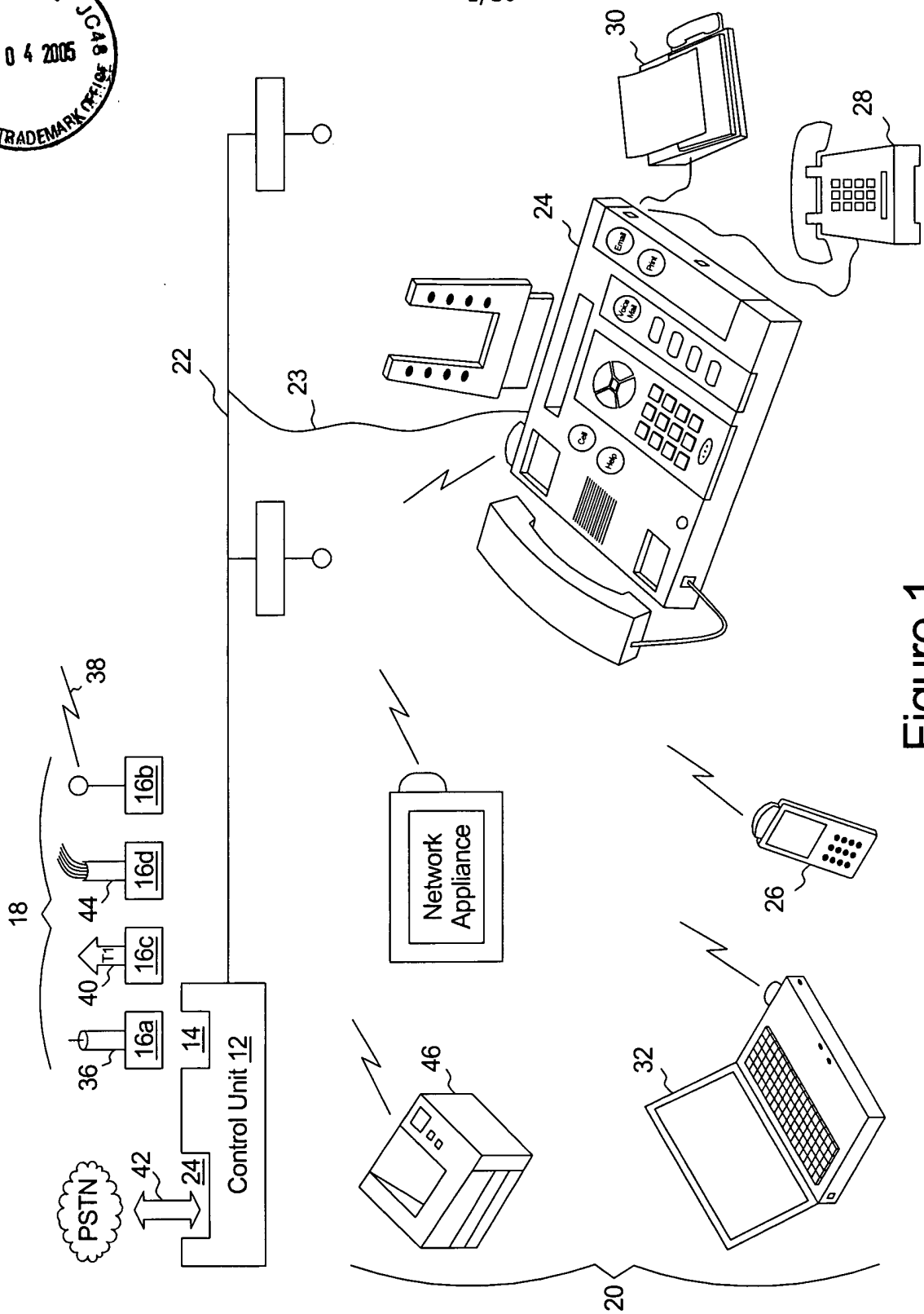


Figure 1

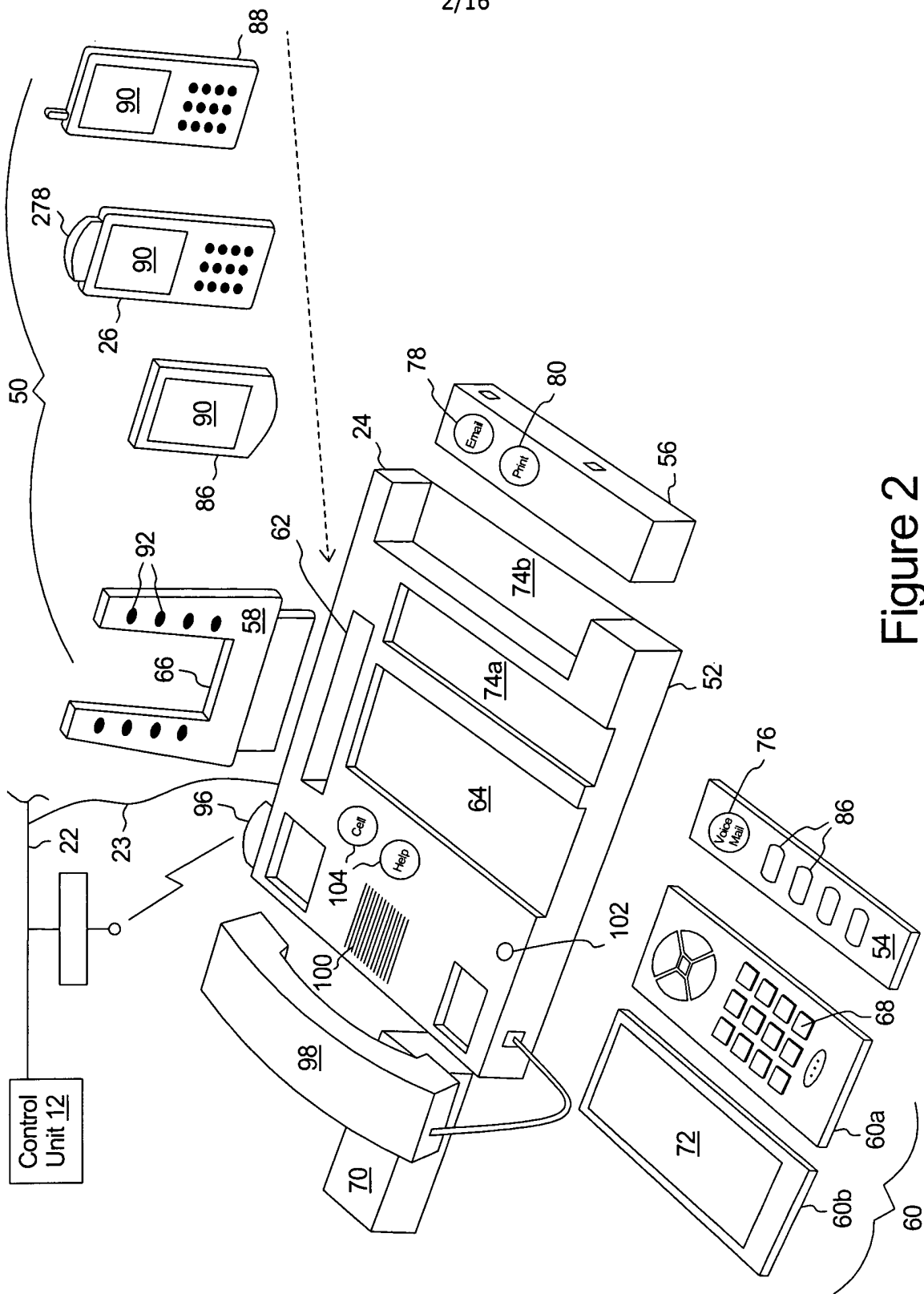


Figure 2

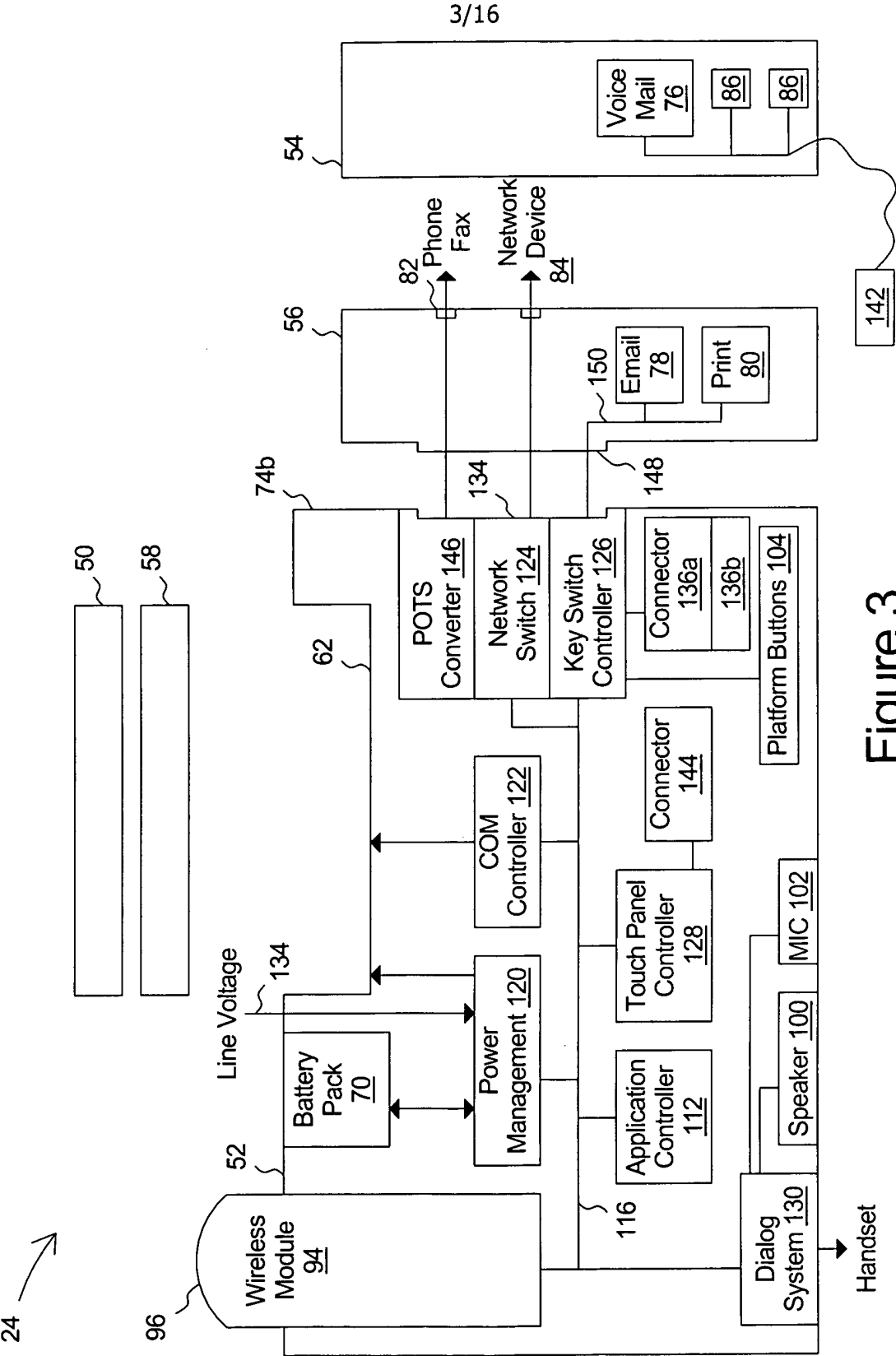


Figure 3

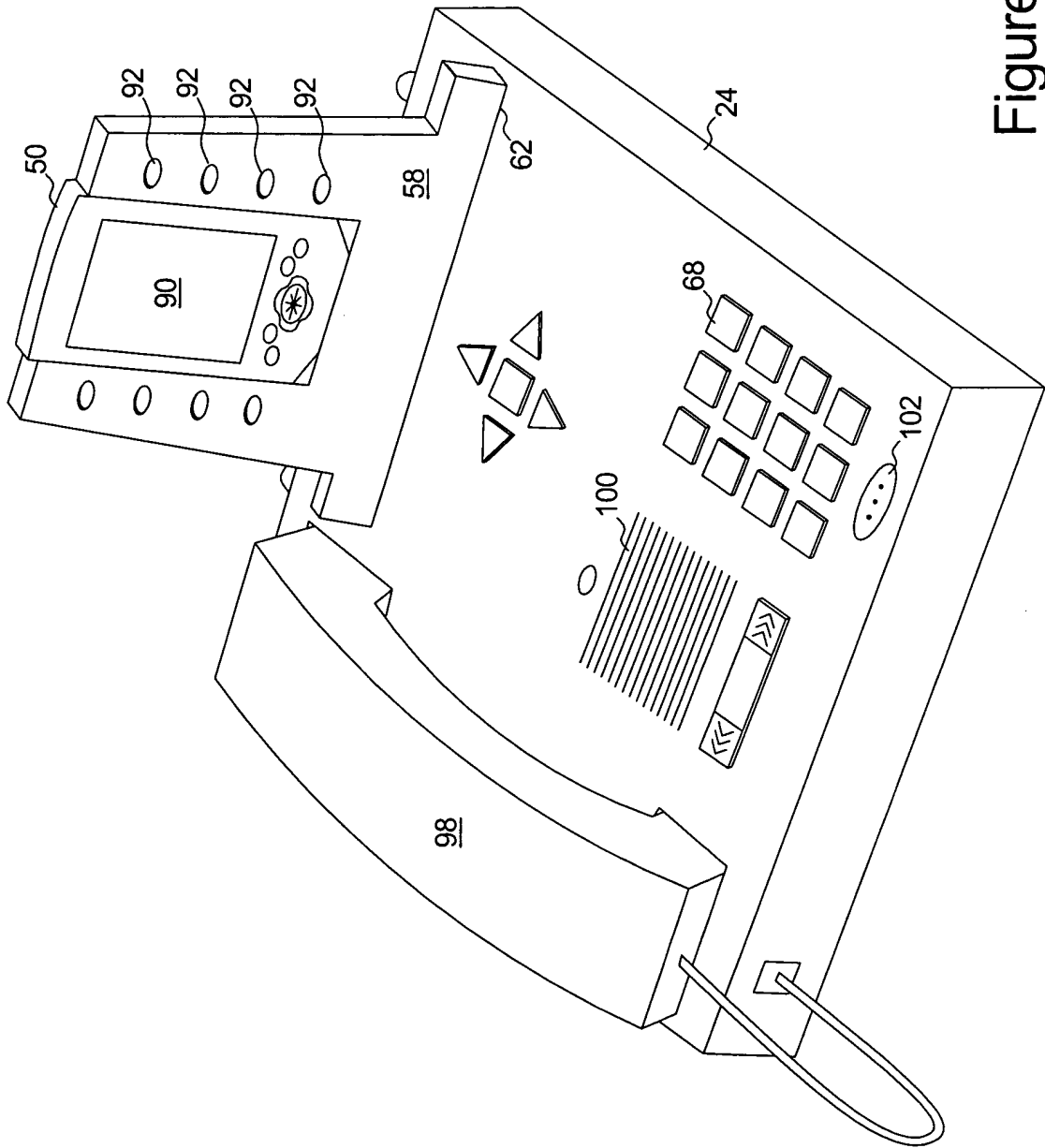


Figure 4a

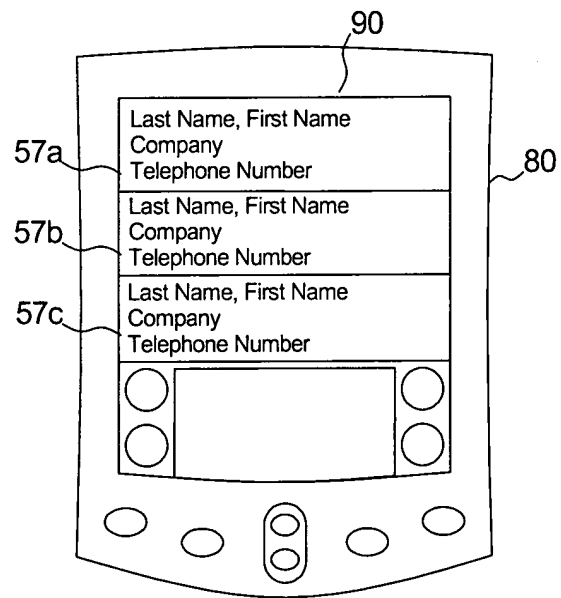


Figure 4b

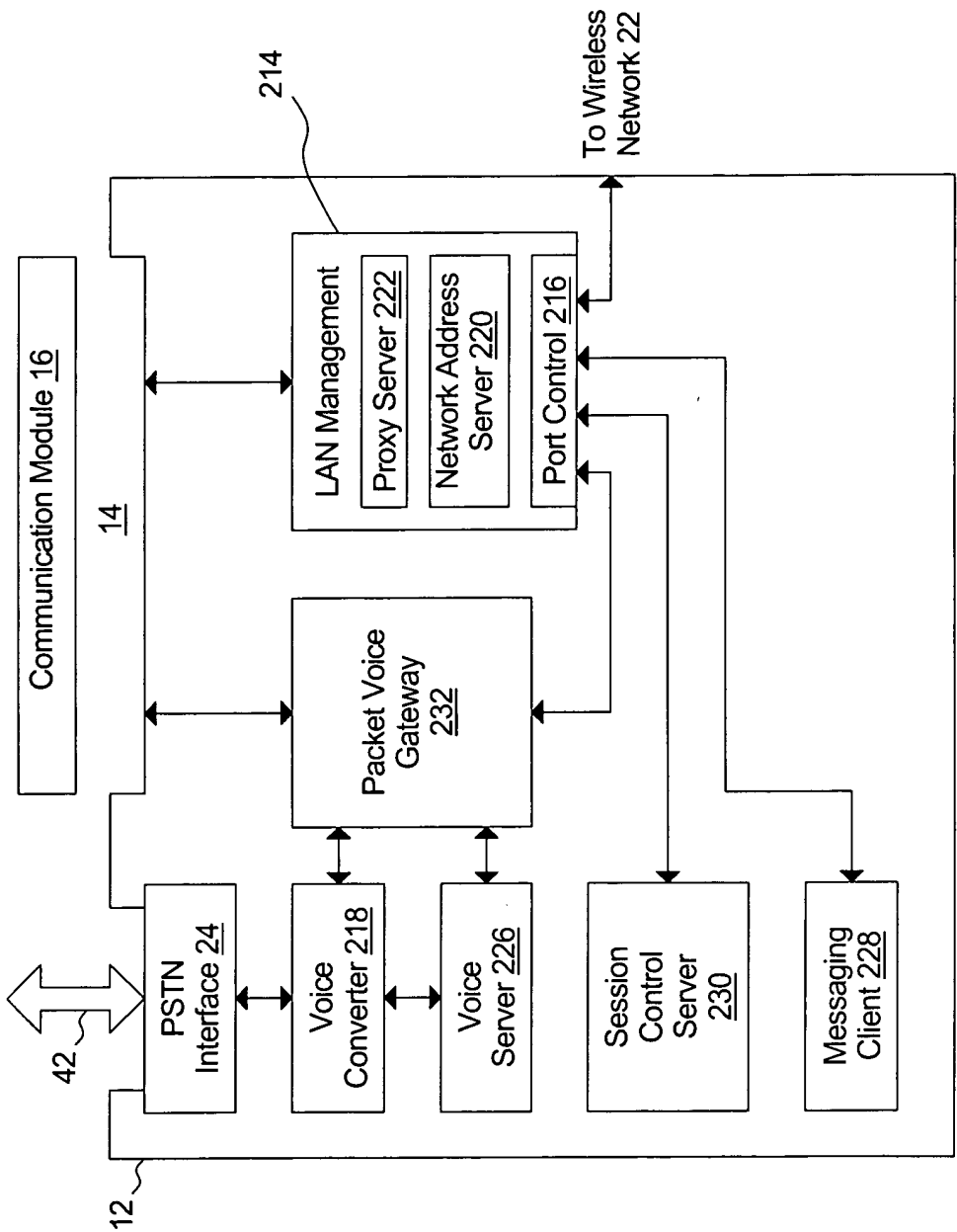


Figure 5

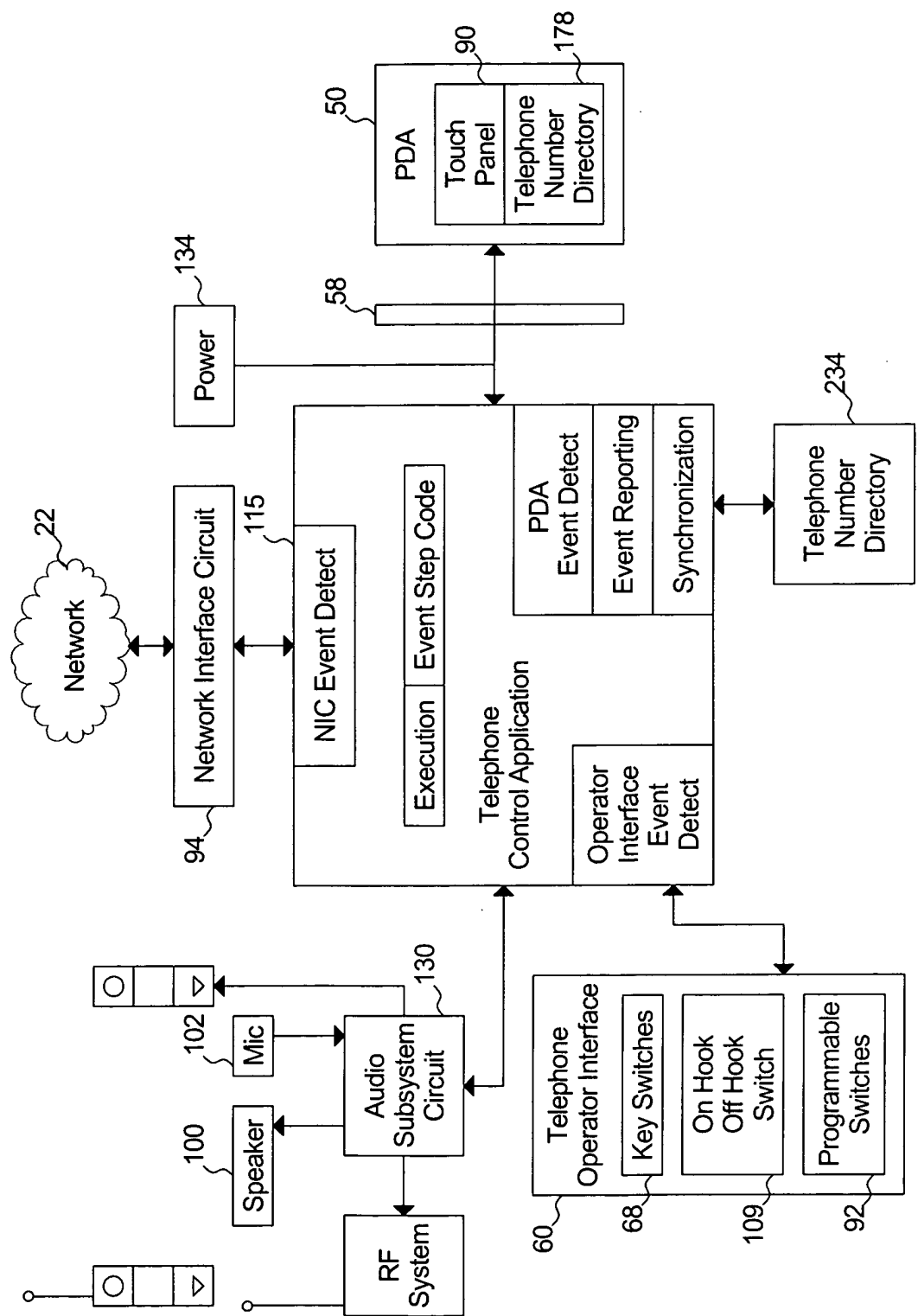


Figure 6

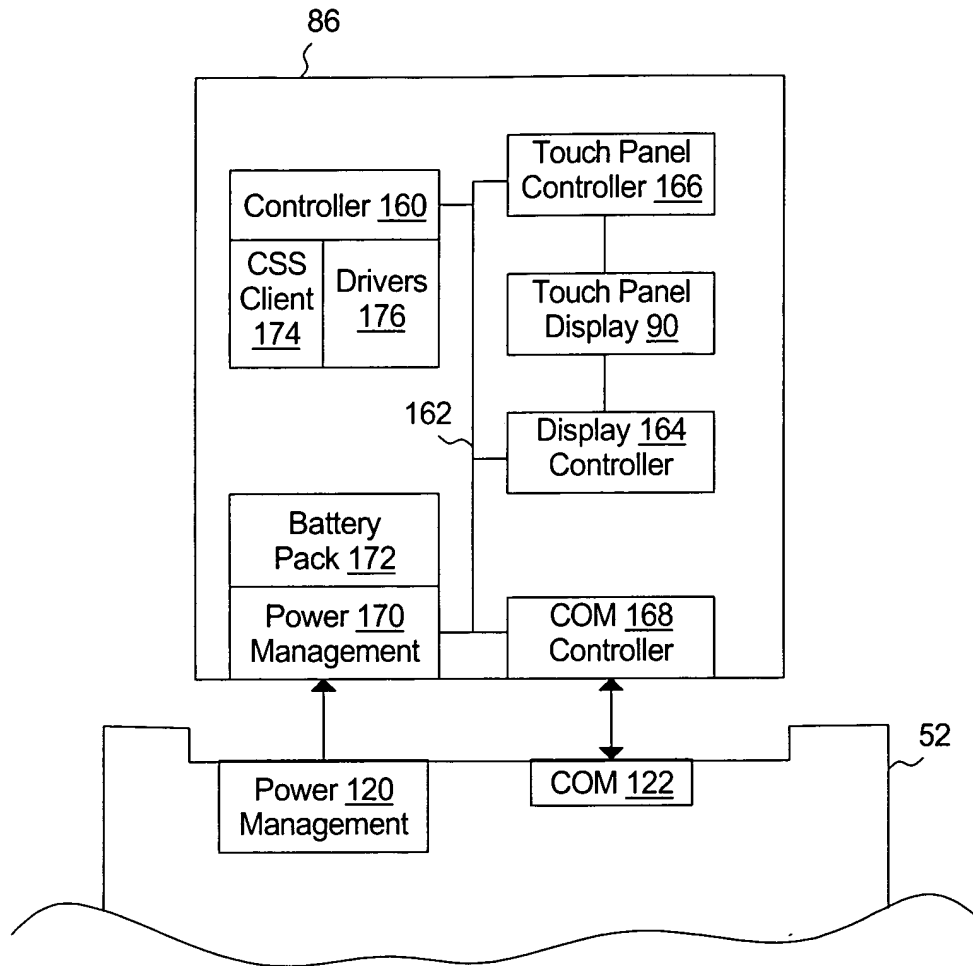


Figure 7



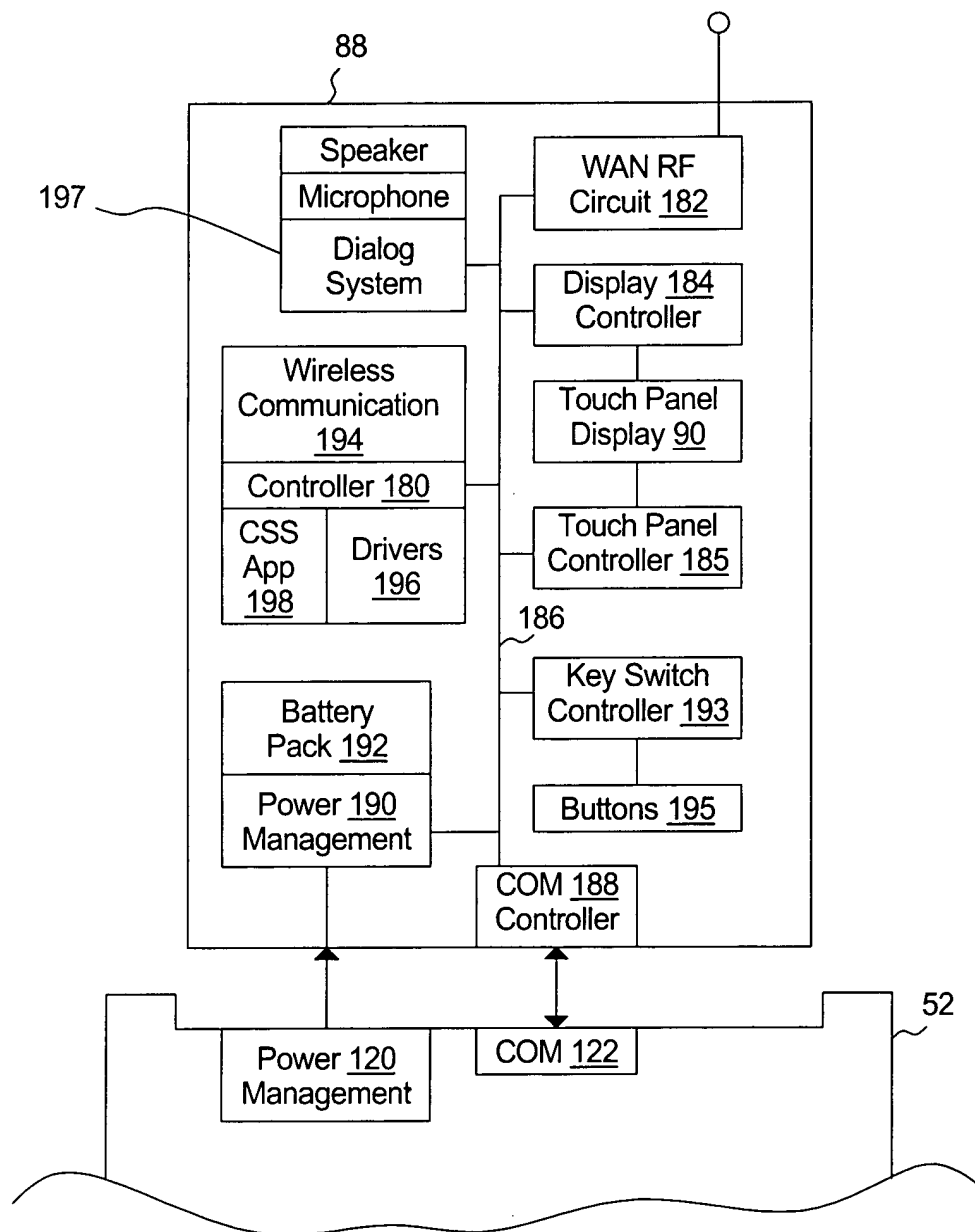


Figure 8

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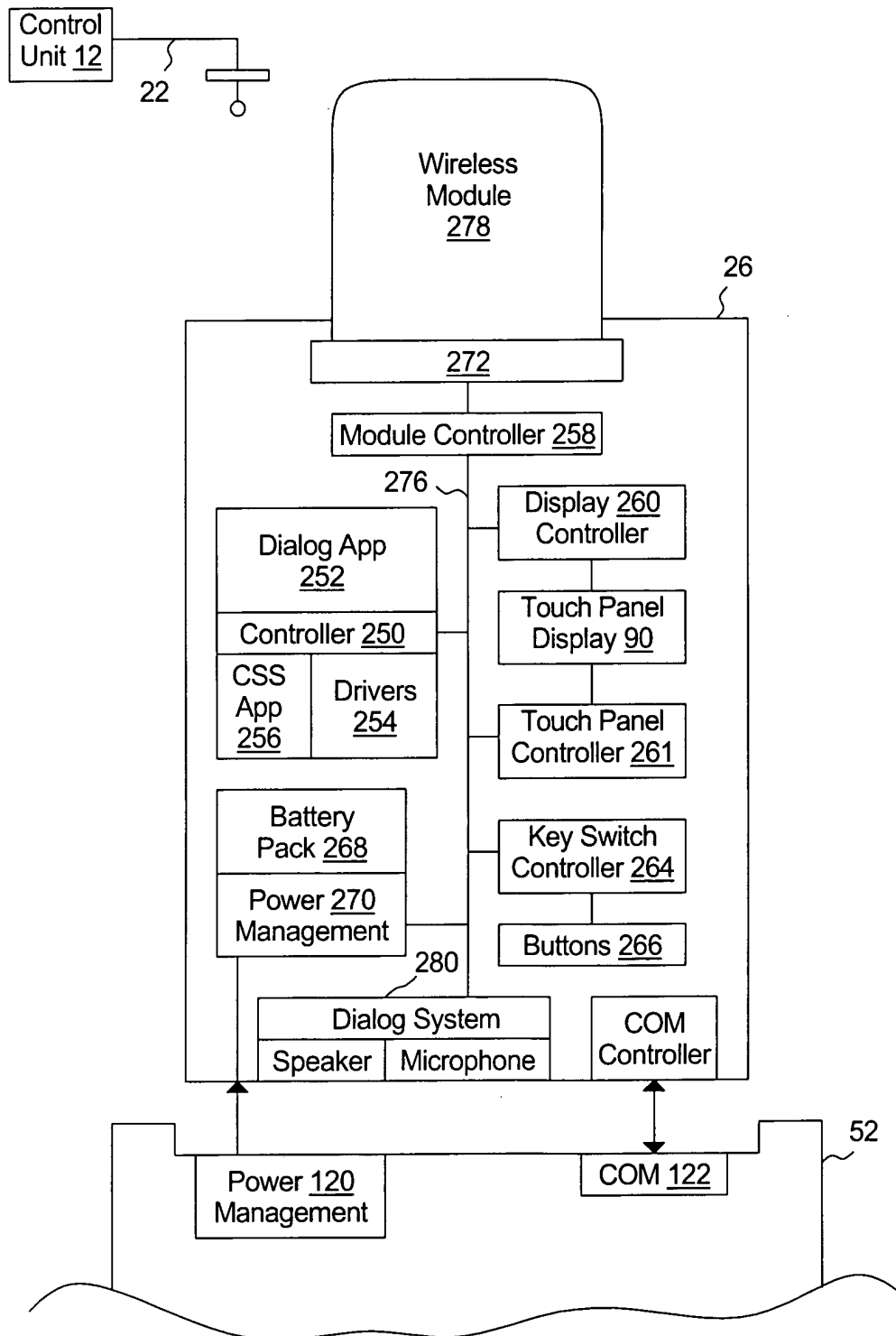


Figure 9

| Start Up State - Waiting for Events            |  |
|--|--|
| Events   | Steps  |
| 300 Open Session Request on Predetermined Port | <ul style="list-style-type: none"><li>• Establish New Local Communication Device State Machine</li><li>• Establish Session</li><li>• Send Logon Control Scripts</li><li>• Get CSS Interface Configuration</li><li>• Provide Main Menu Display Content</li><li>• Provide Main Menu Layout Control</li><li>• Go to Main Menu State</li></ul> |

Figure 10a

| Main Menu State - Waiting for Events |   |
|--------------------------------------|---|
| Events                               | Steps   |
| 302 Menu Selection                   | • Go To Selected State  |
| 308 Initialize Subscriber Device     | <ul style="list-style-type: none"><li>• Send ID Extraction Control Scripts</li><li>• Get Subscriber Device ID</li><li>• Update Network Location Table</li><li>• Synchronize Subscriber Contact Directory</li><li>• Provide Initial Display Content (Main Menu)</li><li>• Provide Display Layout Control</li><li>• Go To Subscriber Device Main Menu State</li></ul> |
| 310 Help Request                     | <ul style="list-style-type: none"><li>• Set Up Audio Session Channel</li><li>• To Audio Help CCS</li><li>• Go To Audio Help State</li></ul>   |

Figure 10b

316

| Subscriber Device Main Menu State - Waiting for Events |   |
|--|---|
| Events   | Steps   |
| 312 Menu Selection                                     | · Go To Selected State  |
| 320 Help Request                                       | · Provide Help Menu Display Content<br>· Provide Help Menu Display Layout Control<br>· Go To Graphic Help State |
| 322 Message Request                                    | · Get Messages from Remote System<br>· Sort Messages by Type  |
| 324 Audio Message Request                              | · Provide Message List Content<br>· Provide Message List Layout Control<br>· Go To Message List State           |
| 314 Directory Request                                  | · Provide Directory Content and Layout Control<br>· Transition to Subscriber Directory State                    |
| 326 Subscriber Device Remove                           | · Go To Main Menu State   |

Figure 10c

328

| Message List State - Waiting for Events |  |
|---|--|
| Events                                  | Steps  |
| 334 Audio Message Select                | <ul style="list-style-type: none"> <li>· Send Audio File to CSS</li> <li>· Provide Processing Script to Output File</li> <li>· Go To Audio Session State</li> </ul>          |
| 336 Message Select                      | <ul style="list-style-type: none"> <li>· Provide Message Display Content</li> <li>· Provide Message Display Layout Control</li> <li>· Go To Message Display State</li> </ul> |
| 338 Message Print                       | <ul style="list-style-type: none"> <li>· Format Message Content for Printer</li> <li>· Send Message File to Printer</li> <li>· Go To Message List State</li> </ul>           |
| 340 Help Request                        | <ul style="list-style-type: none"> <li>· Provide Help Menu Display Content and Display Layout Control</li> <li>· Go To Graphic Help State</li> </ul>                         |
| 342 Subscriber Device Remove            | <ul style="list-style-type: none"> <li>· Go To Main Menu State</li> </ul>  |

Figure 10d

370

| Subscriber Directory State - Waiting for Events |   |
|---|---|
| Events  | Steps   |
| 372 Receive Contact Selection                   | <ul style="list-style-type: none"> <li>· Provide Control Script to Setup Audio Session with Contact</li> <li>· Provide Audio Session Display Content and Layout Control</li> <li>· Transition to Audio Session State</li> </ul> |
| 374 Help Request                                | <ul style="list-style-type: none"> <li>· Provide Help Menu Display Content and Display Layout Control</li> <li>· Go To Graphic Help State</li> </ul>  |
| 378 Subscriber Device Remove                    | <ul style="list-style-type: none"> <li>· Go To Main Menu State</li> </ul>   |

Figure 10e

|                                 |   |   |
|---------------------------------|---|---|
| 344                             |   |   |
| Base State - Waiting for Events |   |   |
|                                 | Events  | Steps   |
| 354                             | Touch Panel   | <ul style="list-style-type: none"> <li>· Report Touch Panel Event to Controller</li> <li>· Return to Base State</li> </ul>                      |
| 356                             | Subscriber Interface Control Button                             | <ul style="list-style-type: none"> <li>· Report Button Activation to Controller and PVA</li> <li>· Return to Base State</li> </ul>              |
| 358                             | Receive Display Content and Layout Control Messages             | <ul style="list-style-type: none"> <li>· Update Display</li> <li>· Return to Base State</li> </ul>  |
| 360                             | Receive Processing Script                                       | <ul style="list-style-type: none"> <li>· Process Script</li> <li>· Return to Base State</li> </ul>  |
| 362                             | WAN Telephone Signal  | <ul style="list-style-type: none"> <li>· Go To WAN State</li> </ul>   |
| 364                             | Detect Subscriber Device  | <ul style="list-style-type: none"> <li>· Send Initialize Subscriber Message</li> <li>· Return to Base State</li> </ul>                          |
| 350                             | Receive Messages from Controller Directed to Subscriber Device  | <ul style="list-style-type: none"> <li>· Relay Messages to Subscriber Device</li> </ul>   |
| 352                             | Receive Messages from Subscriber Device Directed to Controllers | <ul style="list-style-type: none"> <li>· Relay Messages to Controller</li> </ul>  |
| 346                             |   |   |
| Start Up - Waiting for Events   |   |   |
|                                 | Events  | Steps   |
| 366                             | Network Connection  | <ul style="list-style-type: none"> <li>· Session Request to Control Unit</li> </ul>   |
| 368                             | Receive Logon Script  | <ul style="list-style-type: none"> <li>· Process Logon Script</li> <li>· Provide Interface Configuration</li> <li>· Go To Base State</li> </ul> |

Figure 11

380

| Standby State - Waiting for Events                 |  |
|--|--|
| Events   | Steps  |
| 388 Audio Session Signal from Packet Voice Gateway | <ul style="list-style-type: none"><li>· Transition to Call Signalling State</li><li>· Report State Transition to CSS Application</li></ul>                                 |
| 390 Subscriber Interface Control (Off Hook)        | <ul style="list-style-type: none"><li>· Transition to Off Hook State</li><li>· Report State Transition to CSS Application</li></ul>  |
| 392 Session Setup Event from CSS Application       | <ul style="list-style-type: none"><li>· Send Call Signalling Message to Gateway</li><li>· Transition to Call Signalling State</li><li>· Report Transition to CSS</li></ul> |

382

| Call Signaling State - Waiting for Events |  |
|---|--|
| Events                                    | Steps  |
| 394 On Hook Event                         | <ul style="list-style-type: none"><li>· Return to Standby State</li><li>· Report State Transition to CSS Application</li></ul>           |
| 396 Termination of Signalling             | <ul style="list-style-type: none"><li>· Return to Standby State</li><li>· Report State Transition to CSS Application</li></ul>           |
| 398 Ready for Audio Session               | <ul style="list-style-type: none"><li>· Transition to Audio Session State</li><li>· Report State Transition to CSS Application</li></ul> |

Figure 12a

384

| Off Hook State - Waiting for Events  |   |
|--|---|
| Events   | Steps   |
| 400 Subscriber Interface Control (Key Pad Activation) from CSS Application | · Generate DTMF Tone  |
| 402 Validation of Number Sequence  | · Send Call Signalling Messages to Gateway<br>· Transition to Call Signalling State<br>· Report Transition to CSS Application |
| 404 Subscriber Interface Control (On Hook)                                 | · Return to Standby State   |

386

| Audio Session State - Waiting for Events                        |                            |
|---|----------------------------|
| Events  | Steps                      |
| 406 Termination of Audio Session                                | · Return to Off Hook State |
| 408 Subscriber Interface Control (Keypad Activation)            | · Generate DTMF Tone       |
| 410 Subscriber Interface Control (On Hook) from CSS Application | · Return to Standby State  |

Figure 12b